

--14. A prime mover as set forth in Claim 12 wherein said cylinder further comprises a fluid outlet to operate as a pump.

15. A prime mover as set forth in Claim 2 wherein said cylinder further comprises a rare earth magnet about its center for permitting a start without external actuation.

16. A prime mover as set forth in Claim 2 wherein said cylinder comprises a first end and windings of said filament are one direction toward a center and on an opposite end said windings are wound in an opposite direction toward said center.

17. A prime mover as set forth in claim 1 wherein current energizes another of said at least two copper filaments to induce said piston toward a center of said other copper filament causing reciprocal movement --

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B₁ 1. A prime mover comprising a cylindrical framework wound with at least two copper filaments, a steel piston of spherical shape disposed axially concentric with said framework, a power source for energizing one of said copper filaments with electric current which induces said steel piston to move axially toward a central position of said copper filaments, and at least one switch for controlling the energy flow in each of said copper filaments.

2. A prime mover comprising a cylindrical framework wound with at least two copper filaments, a steel piston disposed axially concentric with said framework, a power source for energizing one of said copper filaments with electric current which induces said steel piston to move axially toward a central position of said copper filaments, and at least one switch for controlling the energy flow in each of said copper filaments further comprising a permanent magnetic source for accelerating a reciprocation motion of said steel piston located at at least one end of said cylindrical framework.

3. A prime mover as set forth in Claim 1 further comprising magnet means located at an axial extreme of said coil.

4. A prime mover as set forth in Claim 2 wherein said piston is shaped in the cross section of said

framework.

5. A prime mover as set forth in Claim 2 wherein said prime mover further comprises a cylinder of non-magnetic material.

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(b) 6. A prime mover comprising a cylindrical framework wound with at least two copper filaments, a steel piston disposed axially concentric with said framework, a power source for energizing one of said copper filaments with electric current which induces said steel piston to move axially toward a central position of said copper filaments, and at least one switch for controlling the energy flow in each of said copper filaments further comprising a cylinder of non-magnetic material wherein said non-magnetic material is brass.

7. A prime mover as set forth in Claim 2 wherein said frame is a high temperature resistant polymer.

8. A prime mover as set forth in Claim 2 wherein said switch comprises metal detection means for actuation.

9. A prime mover as set forth in Claim 2 wherein said switch comprises means for reacting to a position of said piston to cause actuation of said switch.

10. A prime mover as set forth in Claim 2 wherein said switch comprises timing means to time the actuation of said switch.

11. A prime mover as set forth in Claim 2 wherein said piston is attached to a connecting rod and a crank shaft to provide rotational motion.

12. A prime mover as set forth in Claim 2 wherein said piston is disposed in a cylinder with a fluid inlet to operate as a pump.

13. A prime mover comprising a cylindrical framework wound with at least two copper filaments, a steel piston disposed axially concentric with said framework, a power source for energizing one of said copper filaments with electric current which induces said steel piston to move axially toward a central position of said copper filaments, and at least one switch for controlling the energy flow in each of said copper filaments wherein said piston reciprocates based upon the alternate energization of said coils, and exits said cylinder when an exit coil is not energized in

one cycle.

14. A prime mover as set forth in Claim 12 wherein said cylinder further comprises a fluid outlet to operate as a pump.

15. A prime mover as set forth in Claim 2 wherein said cylinder further comprises a rare earth magnet about its center for permitting a start without external actuation.

16. A prime mover as set forth in Claim 2 wherein said cylinder comprises a first end and windings of said filament are one direction toward a center and on and opposite end said windings are wound in an opposite direction toward said center.

17. A prime mover as set forth in claim 1 wherein current energizes another of said at least two copper filaments to induce said piston toward a center of said other copper filament causing reciprocal movement.

Remarks

The applicant has reincluded the amendments from the prior amendment in double spaced format for ease of use by the examiner.

The Examiner has rejected Claims 1, 2, 6, and 13 under 35 U.S.C. 112, second paragraph as lacking proper antecedent basis..

The Applicant has amended Claims 1, 2, 6 and 13 to include the reference to copper filaments. The applicant has also included a dependent claim 17 referring to reciprocal movement from alternate energization of the coils.

Based upon the foregoing Amendment and the finding of allowable matter, the Applicant respectfully submits these Claims are in condition for allowance.

Respectfully Submitted,

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